



Traffic Safety Facts Michigan 2003-2007



This Report Contains Data From the Following Sources:

Fatality Data - NCSA Fatality Analysis Reporting System (FARS)

FARS Data: 2003-2006 Final File and 2007 Annual Report File (ARF)

Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the Michigan State Survey
Vehicle Miles of Travel Data and Motorcycle Registrations - Federal Highway Administration (FHWA)

Population Data - U.S. Bureau of the Census



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Fatality Rates: Michigan , U.S. and Best State

Year		Fatalities	Total Vehicle Miles Traveled (Millions)	Fatalities Per 100 Million Vehicle Miles Traveled	Total Population	Fatalities Per 100,000 Population
2003	Michigan	1,283	100,756	1.27	10,075,217	12.73
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	Michigan	1,159	103,326	1.12	10,102,720	11.47
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	Michigan	1,129	104,052	1.09	10,107,940	11.17
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	Michigan	1,086	104,184	1.04	10,102,322	10.75
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	Michigan	1,088			10,071,822	10.80
	US	41,059	2,996,409	1.37	301,621,157	13.61
	Best State*					6.47

*State (or States) With Lowest Rates: Lowest VMT and Population Rates Could Be in Different States

2007 State Vehicle Miles Traveled (VMT) Data is Currently Not Available. 2007 National VMT is a Preliminary Estimate and Subject to Change

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Alcohol-Related Fatalities: Michigan , U.S. and Best State (Old Definition)

Year		Total Fatalities in all Crashes	Alcohol-Related Fatalities**				Alcohol-Related Fatalities (BAC = .08+) Per 100 Million VMT
			BAC = .01+		BAC = .08+		
			Number	Percent	Number	Percent	
2003	Michigan	1,283	485	38	396	31	0.39
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	Michigan	1,159	431	37	368	32	0.36
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	Michigan	1,129	438	39	377	33	0.36
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		13	0.14
2006	Michigan	1,086	447	41	385	35	0.37
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	Michigan	1,088	431	40	356	33	
	US	41,059	17,036	41	14,575	35	0.49
	Best State*			23		19	

*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Includes BAC of All Involved Drivers, Motorcycle Riders, Pedalcyclists and Pedestrians

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Alcohol-Impaired Driving Fatalities: Michigan , U.S. and Best State (New Definition)

Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)**		Alcohol-Impaired Driving Fatalities (BAC = .08+) Per 100 Million VMT
			Number	Percent	
2003	Michigan	1,283	340	26	0.34
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	Michigan	1,159	329	28	0.32
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	Michigan	1,129	327	29	0.31
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Michigan	1,086	335	31	0.32
	US	42,708	13,491	32	0.45
	Best State*			19	0.20
2007	Michigan	1,088	305	28	
	US	41,059	12,998	32	0.43
	Best State*			17	

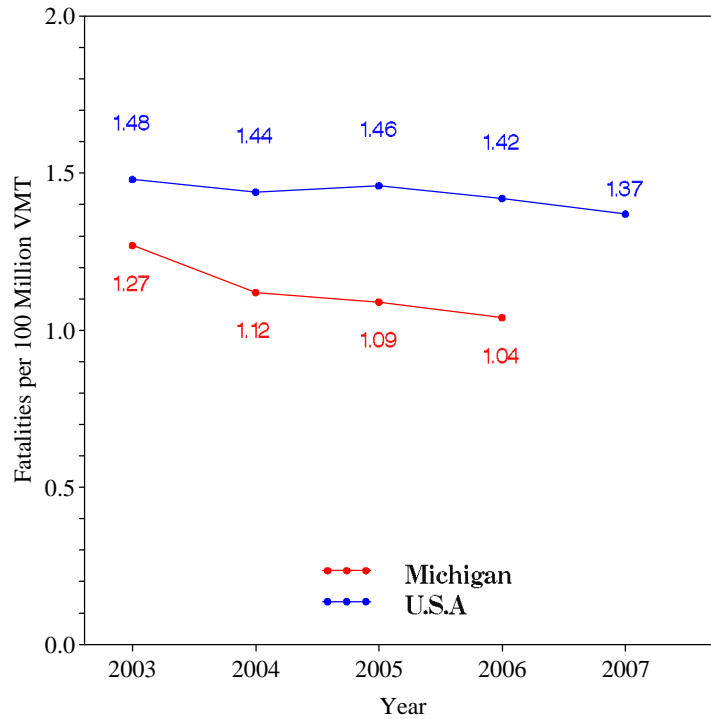
*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Includes BAC of All Involved Drivers and Motorcycle Riders Only

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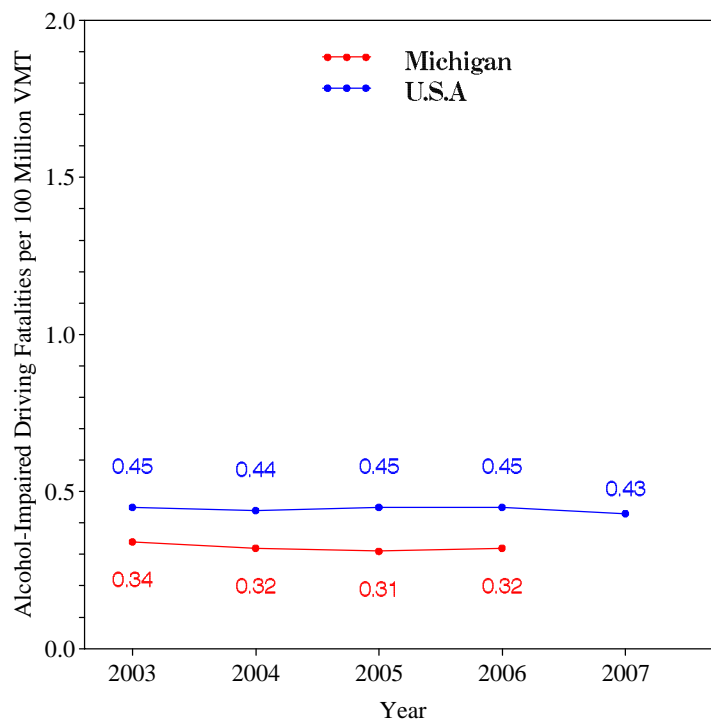


Fatalities per 100 Million VMT: Michigan and U.S



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Alcohol-Impaired Driving Fatalities per 100 Million VMT: Michigan and U.S



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Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Riders (Operators) Involved in Fatal Crashes: Michigan , U.S. and Best State

Year		Surviving Drivers/Motorcycle Riders			Killed Drivers/Motorcycle Riders			Total Drivers/Motorcycle Riders		
		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS	
			Number	Percent		Number	Percent		Number	Percent
2003	Michigan	321	130	40	649	447	69	970	577	59
	US	51,793	12,358	24	32,471	22,718	70	84,264	35,076	42
	Best State*			87			98			89
2004	Michigan	303	128	42	585	398	68	888	526	59
	US	51,440	12,277	24	32,596	21,984	67	84,036	34,261	41
	Best State*			84			97			90
2005	Michigan	327	151	46	539	360	67	866	511	59
	US	51,791	10,963	21	33,288	22,436	67	85,079	33,399	39
	Best State*			89			98			91
2006	Michigan	285	126	44	552	391	71	837	517	62
	US	49,884	11,028	22	32,940	22,531	68	82,824	33,559	41
	Best State*			86			100			87
2007	Michigan	289	118	41	546	379	69	835	497	60
	US	47,786	9,975	21	31,867	20,261	64	79,653	30,236	38
	Best State*			84			97			86

*State (or States) With Highest Percents: Highest Percents Could Be in Different States

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Passenger Vehicle Occupant Fatalities by Restraint Use: Michigan , U.S. and Best State

Year		Total Passenger Vehicle Occupant Fatalities	Total Passenger Vehicle Occupant Fatalities Restrained**		Observed Passenger Vehicle Occupant Restraint Use in all Traffic***
		Number	Number	Percent	Percent
2003	Michigan	960	556	58	85
	US	32,271	14,075	44	79
	Best State*			64	95
2004	Michigan	875	525	60	91
	US	31,866	14,225	45	80
	Best State*			68	95
2005	Michigan	815	510	63	93
	US	31,549	14,061	45	82
	Best State*			68	95
2006	Michigan	770	483	63	94
	US	30,686	13,760	45	81
	Best State*			66	96
2007	Michigan	782	489	63	94
	US	28,933	13,306	46	82
	Best State*			64	98

*State With Highest Percent. Fatal Crash and Observed Percents Can Be Different States

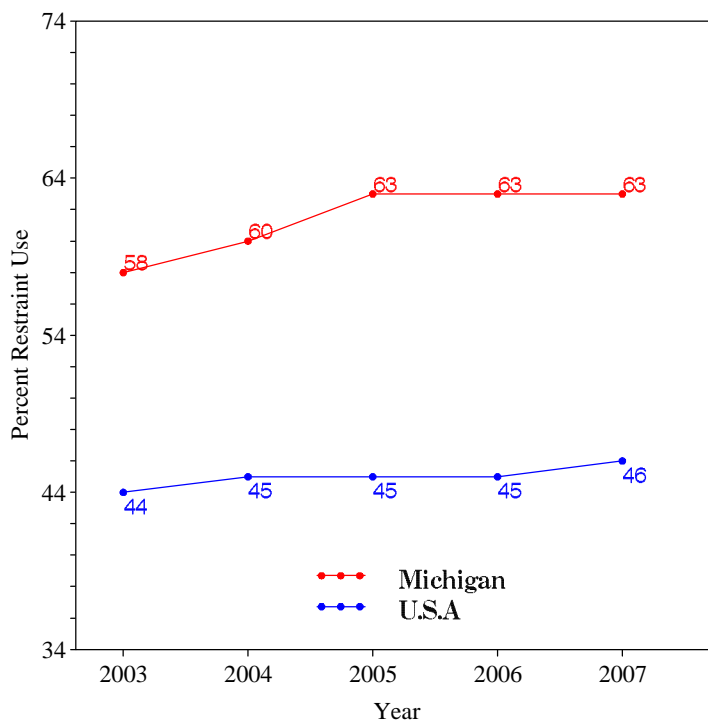
**Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

***USA Data: National Occupant Protection Use Survey. Michigan Data: State Survey

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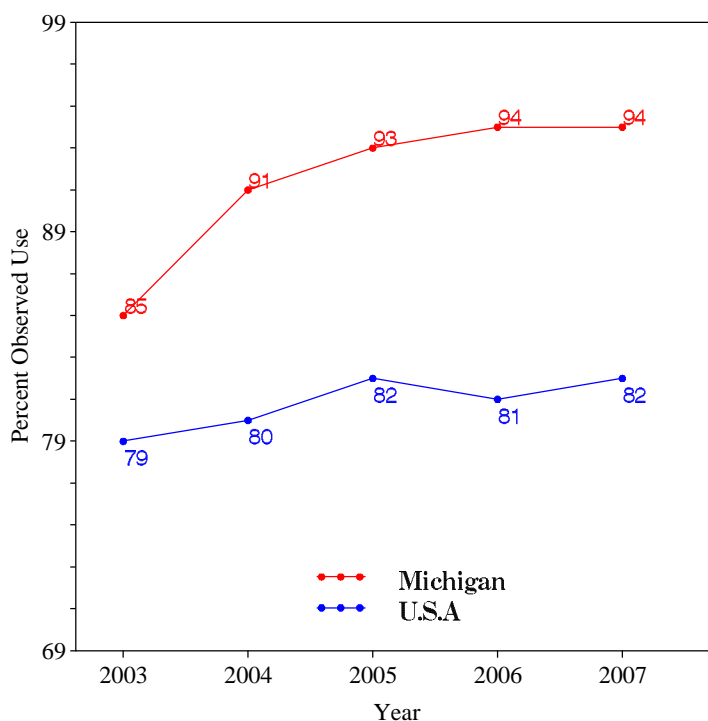


Passenger Vehicle Occupant Fatalities by Percent Restraint Use: Michigan and U.S



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Passenger Vehicle Occupants by Percent Restraint Use Observed: Michigan and U.S



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Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates

Year	Passenger Vehicle Occupant Fatalities Aged 5 and Above*			Passenger Vehicle Occupant Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Lives Saved at Current Belt Use	Potential Additional Lives Savable at 100% Usage
2003	946	545	401	585	160
2004	863	514	349	545	103
2005	804	501	303	567	78
2006	761	477	284	538	81
2007	776	484	292	546	69

*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

**Lives Saved Estimates

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Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates

Year	Passenger Vehicle Occupant Fatalities Aged Under 5*			Passenger Vehicle Occupant Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Lives Saved at Current Belt and Child Seat Usage	Potential Additional Lives Savable at 100% Usage
2003	13	10	3	3	2
2004	12	11	1	14	1
2005	11	10	1	12	2
2006	9	6	3	8	2
2007	6	6	0	6	

*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

**Lives Saved Estimates

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Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates

Year	Motorcycle Rider Fatalities*			Motorcycle Rider Lives Saved Estimates**	
	Total	Helmeted	Unhelmeted	Lives Saved at Current Helmet Use	Potential Additional Lives Savable at 100% Usage
2003	81	70	11	41	4
2004	81	75	6	44	3
2005	124	100	24	59	9
2006	114	100	14	59	6
2007	123	111	12	65	5

*Unknown Helmet Use Was Proportionally Distributed Across Known Helmet Use

**Lives Saved Estimates

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Fatalities by Person Type

Person Type		2003		2004		2005		2006		2007	
		#	%	#	%	#	%	#	%	#	%
Occupants	Passenger Car	636	17	577	17	500	15	488	16	486	15
	Light Truck - Pickup	119	3	115	3	110	3	91	3	111	4
	Light Truck - Utility	104	3	116	3	117	4	133	4	104	3
	Light Truck - Van	101	3	67	2	88	3	58	2	81	3
	Large Truck	12	0	8	0	6	0	11	0	6	0
	Bus	1	0	0	0	1	0	0	0	1	0
	Other/Unknown Occupants	27	1	33	1	18	1	26	1	20	1
	Total Occupants	1,000	27	916	27	840	26	807	26	809	26
Motorcyclists	Motorcycle	81	2	81	2	124	4	114	4	123	4
Non-Occupants	Pedestrian	166	4	137	4	137	4	136	4	131	4
	Bicyclist and Other Cyclist	32	1	21	1	25	1	28	1	17	1
	Other/Unknown Non-Occupants	4	0	4	0	3	0	1	0	8	0
	Total Non-Occupants	202	5	162	5	165	5	165	5	156	5
Total	Total	1,283	34	1,159	34	1,129	35	1,086	35	1,088	35

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Fatalities by Crash Type

Crash Type	2003	2004	2005	2006	2007
Total Fatalities (All Crashes)	1,283	1,159	1,129	1,086	1,088
- Single Vehicle (1)	631	576	547	574	549
- Involving a Large Truck (2)	117	118	111	116	123
- Involving Speeding (3)	293	249	243	219	242
- Involving a Rollover (4)	250	219	226	216	208
- Involving a Roadway Departure (5)	669	637	616	609	606
- Involving an Intersection (or Intersection related) (6)	332	255	258	246	261

(1) Crash Involved Only One Coded Vehicle

(2) Crash Involved at Least One Large Truck

(3) Crash Involved at Least One Vehicle Speeding

(4) Crash Involved at Least One Vehicle That Rolled Over

(5) Crash Involved at Least One Vehicle That Departed the Roadway (FHWA Definition)

(6) Crash Occured Within an Intersection or Within the Approach to an Intersection

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Motorcyclist Fatalities by Age

Year	Age						Total
	<20	20-29	30-39	40-49	50-59	>59	
2003	3	20	19	16	19	4	81
2004	4	20	17	16	18	5	80
2005	6	28	26	23	25	13	121
2006	3	23	24	22	35	9	116
2007	7	30	24	21	24	20	126

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Motorcyclist Fatalities Per 100,000 Registered Motorcycles*

Year	Motorcyclist Fatalities	Total Motorcycle Registrations	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2003	81	215,698	37.55
2004	80	228,856	34.96
2005	121	264,533	45.74
2006	116	247,988	46.78
2007	126		

*Data Source: FHWA

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Top 10 Counties for Fatalities and Fatality Rates

Top 10 Fatality Counties		Fatalities	Fatalities per 100,000 Population
1	Wayne County	190	9.57
2	Kent County	68	11.25
3	Genesee County	58	13.34
4	Macomb County	52	6.26
5	Oakland County	49	4.06
6	Washtenaw County	29	8.29
7	Kalamazoo County	27	11.01
8	Saginaw County	27	13.35
9	Berrien County	26	16.29
10	Monroe County	26	16.93

Median Rate for all U.S. Counties: 20.32

Top 10 Fatality Rate Counties		Fatalities	Fatalities per 100,000 Population
1	Keweenaw County	4	186.0
2	Crawford County	7	48.11
3	Schoolcraft County	4	46.96
4	Oscoda County	4	44.75
5	Alger County	4	41.61
6	Lake County	4	35.86
7	Sanilac County	15	34.37
8	Van Buren County	24	30.80
9	Montcalm County	19	30.18
10	Luce County	2	29.73

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Top 10 Counties for Alcohol-Impaired Driving Fatalities and Alcohol-Impaired Driving Fatality Rates

Top 10 Alcohol-Impaired Driving Fatality Counties		Fatalities	Fatalities per 100,000 Population
1	Wayne County	55	2.79
2	Kent County	19	3.14
3	Genesee County	17	3.93
4	Macomb County	15	1.82
5	Saginaw County	12	5.73
6	Oakland County	11	0.95
7	Livingston County	11	6.00
8	Kalamazoo County	11	4.40
9	Muskegon County	10	5.73
10	Washtenaw County	9	2.43

Median Rate for all U.S. Counties: 5.11

Top 10 Alcohol-Impaired Driving Fatality Rate Counties		Fatalities	Fatalities per 100,000 Population
1	Lake County	2	17.93
2	Benzie County	3	17.13
3	Manistee County	4	16.13
4	Luce County	1	14.86
5	Schoolcraft County	1	14.09
6	Wexford County	4	12.90
7	Crawford County	2	12.37
8	Houghton County	4	11.93
9	Oscoda County	1	11.19
10	St. Joseph County	7	11.05

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